



'71 Awards Ceremony Sees Many honored

Christmas Greetings

As your new Administrator, I can think of no more appropriate time to thank you for your devotion, superb team effort and achievements made this past year than at the Holiday Season. Your hard work and wonderful spirit of cooperation made possible the successes of our manned and unmanned missions and, just as important, the benefits to all mankind that derived from these various NASA programs. Next year with Apollo, we will again go to the Moon in the spirit of--

"Peace To All Mankind"

I firmly believe that despite the many difficult problems which may be facing us in 1972 and the changing times, your continued dedication and support will achieve for NASA and the world even greater heights and benefits in the years to come. With this in mind, we can look forward to a challenging New Year.

I wish you and your families a very Merry Christmas and the best in the New Year.

James C. Hilda
Administrator

May I add my personal good wishes to all MSC employees for a joyous Holiday Season and the finest of New Years.

Robert R. Gilruth
Robert R. Gilruth
Director, Manned Spacecraft Center

Gordon to Retire from NASA, Navy

Astronaut Richard F. Gordon, Jr., Navy Captain and a prime crewman on the Gemini 11 and Apollo 12 missions, has announced his plan to retire from NASA and the Navy on January 1. (See GORDON, Page 2)



Command module pilot for Apollo 12, Gordon is pictured here during training prior to that second lunar landing mission.

— EDITOR'S NOTE —

This will be the last issue of the Roundup in 1971. The next edition will be published on Friday, January 7, 1972. The deadline for ads to be submitted for the January issue is Thursday, December 30. In the words of a "famous" poet who shall go nameless, "Christmas comes but once a year/When it does, it brings great cheer." Here's hoping you have a cheerful, warm, and safe Christmas. Happy Holidays!
The Editor

EAA Reveals Results of Election

MSC voters went to the polls on December 7 to elect thirty-nine EAA representatives and an equal number of alternates.

Kay Anderson, Chairman of the EAA Election Committee, reports that some sixty-five percent of MSC employees voted in the election.

For the first time, delegates have been chosen to represent a particular floor or a group of smaller buildings.

The new representatives and alternates are as follow:

District 1, Sydni Shollenberger, Fran Gentry; District 2, Homer Scott, Dawn Hoyle; District 3, Joe Pirtle, Claudia Hess; District 4, Ann McClung, Wayne Corbett; District 5, Marie Kliment, Donna Tarpey; District 6, Charles Crews, Olga McCommis; District 7, Edward S. Johnson, Lynn York; District 8, Mike Steinthal, Paul Jaschke; and District 9, Judy Wyatt, Nina Montgomery.

Representatives and alternates for Districts 10 through 19 are (See EAA, Page 4)

At the MSC Awards Ceremony on December 14, MSC Deputy Director Christopher C. Kraft, Jr., and Associate Director Frank A. Bogart presented awards to 80 employees and 11 Center organizations for their contributions to the space effort in 1971.

The General Electric Company and Kelsey-Seybold, both of Houston, received Certificates of Appreciation.

The organizations receiving NASA Group Achievement Awards were the Crew Training and Simulation Team, J Mission Spacecraft Development Team, Mapping Sciences Team, Lunar Surface Experiments Team, Thermochemical Team, Thermal Vacuum Team, Lunar Quarantine Operations Team, White Sands Test Facility, MSC Fire Prevention Group, Modular Equipment Transporter Team, and the Apollo Group at Bethpage.

Individual winners are as follow:

Certificates of Commendation:

David A. Ballard, M. Ernest De-ment, James L. Smothermon, Larry G. Thompson, Raymond G. Zedekar, Dr. Lawrence Dietlein, Maurice A. Carson, William R. Hammock, Jr.; Richard G. Irvin, John H. Johnson, Gary W. Johnson, Richard E. Mayo, Fred A. McAllister, James W. McBarron, William E. Perry, Clarence E. Propp, Matthew I. Radnofsky, James A. Smith, J. T. Taylor,

Melvin F. Brooks, Robert R. Reg-elbrugge, Jones W. Roach, and James E. Saultz, Jr.

Superior Achievement Awards: J. Brooks Alldredge, James E. Bone, Jr.; William R. Kelly, Ted A. Guillory, Charles W. Floyd, Milton C. Contella, Paul C. Kramer, David D. Lang, Kenneth I. Mansfield, David C. Schultz, John J. VanBockel, Dr. M. Keith Baird, Dr. G. W. Hoffler, Dr. Carolyn L. Huntoon, Edward C. Moseley, Galen H. Pittman, Dr. Sam L. Pool, John A. Rummel, Dr. Malcolm C. Smith, Jr., and Edward T. Chimenti.

Also receiving Superior Achievement Awards were Wade D. Dorland, Norman B. Farmer, Richard J. Gillen, Willard M. Taub, Robert H. Brown, John R. Gurley, Jr.; Charles W. Pace, John H. Temple, John E. Williams, Jr.; William C. Huber, David L. McCraw, James D. Williams, Bill J. McCarty, Bobby J. Miller, Robert J. Bailey, Harold A. Benner, Stanley M. Blackmer, Richard A. Colonna, and J. T. Doke.

Other recipients of the award were William C. Fischer, Roger D. Hicks, Robert C. Hood, Daniel T. Lockard, Jerry S. Lowe, Donald J. Mayhew, William T. Mulcahey, James M. Peacock, Harrison F. Rees, Richard R. Baldwin, Patrick Butler, Dr. Michael B. Duke, Robert O. Hill, Charles Meyer, Jr.; Richard A. Moke, William C. Phinney, David W. Strangway, and Lewis C. Wade.

Neshyba wins Presidential Certificate

Victor P. Neshyba of the Shuttle Program Office has received a 1971 Presidential Management Improvement Certificate, accompanied by a letter from President Richard Nixon.

MSC's Shuttle Program Manager Robert F. Thompson presented the certificate to Neshyba last week.

The only individual in NASA to win such an award this year, Neshyba was honored for his development of a new procedure for data redundancy removal that will save the government over \$3 million.

Earlier in 1971, he received an MSC Cost Reduction Award for his work in devising more efficient methods for transmitting, storing, and reducing data which comes from spacecraft during missions.

The certificate, signed by President Nixon, reads "for excellence in improvement in government operations. The noteworthy efforts and intense dedication required for this achievement exemplify the high performance needed to keep our country strong."

Neshyba joined NASA in 1962. He and his wife Mary, residents of Dickinson, have nine children.



Shuttle Program Manager Robert Thompson (right) presents the 1971 Presidential Management Improvement Certificate to Victor Neshyba.

Space Station planners see recycling as means to support life for long-duration space missions

How to support life during long-duration space missions, keeping expendable life-support items to a minimum, is an intriguing problem and one to which a group of MSC engineers and technicians is devoted to finding a solution.

Dr. Noel C. Willis, Jr., of the Crew Systems Division is acting chief of the Environmental Control and Life Support Systems Branch and heads the Advanced Systems Section.

This section is tasked with developing prototype hardware for an environmental/thermal control and life support system (E/TCLSS) which could be used aboard a

The basis of the systems being developed for extended duration missions is regeneration of metabolic waste products for reuse by the crews. For example, breathing oxygen will be reclaimed from carbon dioxide and drinking water will be reclaimed from liquid body wastes.

The E/TCLSS is composed of three basic groups of subsystems—atmosphere revitalization, thermal control, and water and waste management.

The atmosphere revitalization group maintains the gaseous composition of the spacecraft within habitable limits. This portion of

residue to prevent bacterial growth during storage of the solid matter.

Vapor-compression stills will be used to recover urine and flush water. The waste water is evaporated, compressed, and condensed as pure water in the stills.

Wash water will be processed by means of reverse-osmosis membranes which will permit pure water to pass through but will retain impurities. The technique is quite similar to one currently in use for desalinating ocean water.

The thermal-control group provides atmosphere temperature and humidity control and heating and cooling for the various components.

Engineers are designing the prototype E/TCLSS so that those components requiring large amounts of power will operate only when the space station is in view of the sun.

"This design will reduce the amount of electrical power storage needed and will take advantage of the low-cost electrical power provided by solar cells," Willis explained in a paper he recently authored.

"As a result of this design, the operation of the electrolysis cells and Sabatier reactor will take place only in sunlight and will not be accomplished in the shade. During a typical 90-minute orbit, the space station will be in sunlight approximately two-thirds of the time," he continued.

Earlier testing of life support systems at Langley Research Center and McDonnell Douglas Corporation has served as guidance to planners and developers of the modular space station systems. However, the key to current work is "maintainability."

Willis said that the longer the mission, the greater the possibility of problems developing in the E/TCLSS. Therefore, all equipment must be easy to reach and easy to repair so that the crewmen themselves can make the necessary adjustments.

A full scale mockup of a space station module is being built at Hamilton-Standard, the contractor

involved in the space station prototype effort, to study and implement ideas for the E/TCLSS. Willis explained that being able to move articles about in a mock-up during the design phase helps designers see the advantages and disadvantages of various configurations.

Looking to a future when women may live and work in spacecraft, designers are investigating development of onboard facilities which would accommodate lady-scientists, engineers, or astronauts.

Space station planners see a similarity in component design between inflight maintenance requirements of a space station and rapid turnaround ground maintenance requirements of the space shuttle. As a result, they are investigating the applicability of specific hardware designs to the shuttle.

Jack Heberlig, Deputy Manager of the Space Station Project Office, explained that the space station study is a long-term, low-cost development program, quite different from earlier short-term studies. The space station systems are being designed with low-cost manufacture of both hardware and software in mind.

Also, Heberlig said that the program features an "open data file," which means simply that all design reviews are open to all prime and sub-contractors and systems and sub-systems managers. Each organization involved in the planning and design of the space station has access to findings which result from the work being done by other groups.

Delivery to MSC of a full prototype system is scheduled for early 1974. Current plans call for installation and manned testing of the environmental/thermal control life support system late in that year.

Gordon to retire

(Continued From Page 1)

He will join the John W. Mecom, Jr. organization of New Orleans.

Gordon was one of the third group of astronauts selected in October 1963. In 1966, he was pilot of the Gemini II mission, with Charles Conrad, Jr., as command pilot. During the mission, Gordon left the spacecraft twice for extravehicular activity which totalled over two hours.

He was command module pilot in the all-Navy crew for Apollo 12 in November 1969. That crew also included Conrad and Alan L. Bean.

Gordon's retirement will reduce the number of astronauts to 44.

ZERO-IN ON SAFETY DURING THE HOLIDAYS



Mr. Silk thanks you, one and all

In September, the *Roundup* published a story about the donation by MSC employees and contractors of sixty pints of blood to a Wichita Falls man, E. E. Silk, who was to undergo major surgery.

Last week, we received a letter from Mr. Silk asking the *Roundup* to convey his great appreciation for such generosity.

In his words, "To me this was such an act that it absolutely overwhelmed me. Can you imagine any sixty people who never even heard of you extending such an act of friendship? It certainly gave me courage.

"It was my wish," he continued, "to write each of these donors a personal letter of thanks for their kind act. Unfortunately, no such list ever came into my possession."

So, the *Roundup* is delighted to be the conveyor of Mr. Silk's special "Thank you."

The donations made in September would seem to be evidence that for some people, the December holiday spirit of giving remains throughout the year.

In '72 Give the Chess Club a try

The 64-member MSC Chess Club extends an invitation to all employees interested in playing chess to attend any of the club's regularly scheduled meetings, either as players or spectators.

The club is MSC-sponsored, affiliated with the U.S. Chess Federation, and offers a wide range of activities from fun chess to serious tournament play.

Membership is open to MSC and contractor employees and, since the club is non-profit, dues are very modest.

Currently, regular meetings are held each Thursday at 7:30 p.m. in Building 336, Ellington. On Thursday, January 6, there will be a general meeting to elect new officers and reorganize the club.

For more information, call Alec Gallia (club director) at x7236 or 944-8338.

TEN YEARS AGO (almost) — on January 3, "Gemini" became the official name of the Mercury Mark II program, Alex P. Nagy of NASA Headquarters suggested the name.



Dr. Noel Willis points out features of one of the modules in the one-tenth scale model of a modular space station. The section he is pointing to houses much of the equipment to be used in supporting life onboard the spacecraft.

modular space station of the future. The purpose is to duplicate, as closely as possible to the actual flight articles, hardware to be used in a ground test program.

Also involved in the development of concepts and systems for a modular space station are the Spacecraft Design and Information Systems Divisions.

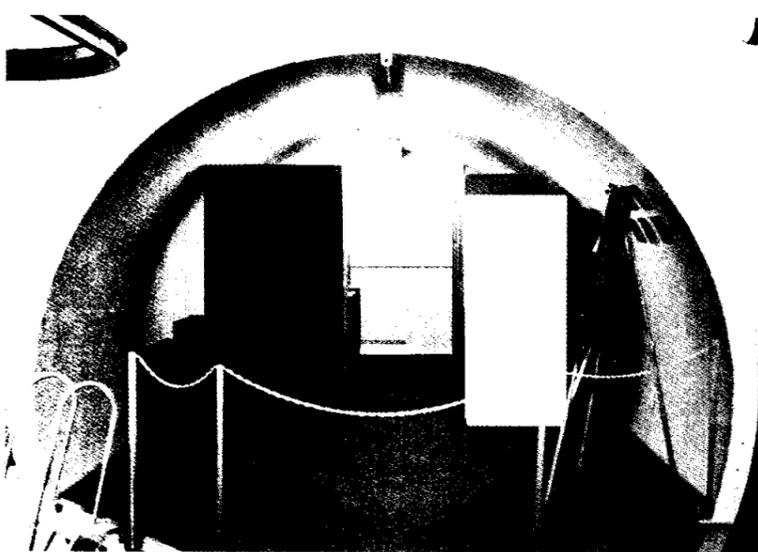
The Spacecraft Design Division in this study is primarily concerned with habitability aspects of the modular station—how to arrange equipment for the greatest comfort and convenience of the crews.

Information Systems engineers are developing methods for efficient management and monitoring of the E/TCLSS—ways, for example, the crew can check the system to make sure it is operating properly and to determine, if it is not, where the difficulty lies.

Willis explained that because of the modular approach to packaging the system, the subsystem designs are relatively insensitive to vehicle configuration. The hardware should be representative of that eventually to be used in a space station.

the E/TCLSS includes a hydrogen depolarized electrochemical carbon dioxide concentration unit, a Sabatier reactor for carbon dioxide reduction, a water-electrolysis unit for oxygen generation, and assemblies for atmospheric supply, pressure control, and contaminant control

The water and waste management system collects body wastes and wash water, recovers water from them, and vacuum-dries the



This full scale mockup is being built to aid designers in studying various arrangements for the life support equipment in a space station module.

Roundup Swap-Shop

(Deadline for Swap-Shop classified ads is Thursday of the week preceding Roundup publication date. Ads are limited to MSC civil service employees and assigned military personnel. Maximum length is 20 words, including name, office code and home telephone number. Send ads, typed or legibly written, to Roundup Editor, AP3)

MISCELLANEOUS

Metal locator, 3-yr. old Belco Frontiersman, distinguishes between ferrous & non-ferrous metals, solid state, loudspeaker; new, \$134; sell, \$95. Weaver, 877-1265.
Dr. Zhivago-type ladies suede coat, size 8, dark brown, lynx collar & cuffs, 4 mo. old. Morian, 473-4958, 941-1266.
Hunting bows: '70 Wing T-bird, 62", 41#; '68 Wing T-bird, 62", 45#, \$36. Keeton, 488-2613 after 5 p.m.
Barbie, Ken doll clothes, 25c and up. 309 Brandywine, Friendswood. Kilbourn, 482-7879.
Sonar D-10 (0-60 foot) depth finder, in orig. carton, \$100. White, 932-4472.
2-cyl 15-hp Michigan Marine Senior Twin inboard engine, \$100. White, 932-4472.
Airplane, Cessna 180, low time, chrome cylinders. Full gyro panel, remote compass, rotating beacon. Two MK 12/360, Narco AT6 xponder, ADF 31A, glide slope. New paint, interior, battery. Oversize tires, \$8500. Giuli, 474-4390.
7' pool table; complete with cues, balls, rest, rack, wall rack; good cndn. \$50. Rose, 877-4200.

VEHICLES

65 Pontiac Lemans, buckets, console, air, automatic, extra clean inside and out. runs good, reasonable. Palazzola, 488-0125.
56 Chevy parts including 3 mo. old auto-trans, starter, elect. wiper motor. Ferguson, 482-3241.
69, 12 x 48, 2 B/R mobile home, w/w carpets, dishwasher, washer/dryer, utility bldg., underpinning, draperies, cent Air/heat, \$4100. Bowling, 481-0484.
68 Camaro, new tires, exhaust, distributor; towing hitch, console radio, air, fold down rear seat deck, houndstooth check bucket seat, red/black vinyl top, \$1500. Bower, 488-1183.
65 Tempest, clean, 50,000 miles, air, automatic, \$700. Must sell. Ito, 488-6517 after 6 p.m.
69 Nova, 4-dr, V8, A/C, xln cndn, whole-sale, joined AF. Cox, 481-3605.
62 VW sedan, green, fair cndn. \$300. Hill, 932-4072.
71 Chevrolet Impala 4-dr. 350 V8, A/C, power steering & brakes, radio, 8300 miles, copper color, \$3495. Hayes, 488-1446.
Dune buggy, 69 VW chassis & engine, automatic, Metallflake orange, white top, sand tires, mags, roll bar, xln, \$1200. Mandell, 877-2925.
67 Cougar, GT, XR-7, 390 CID engine, 4 speed, stereo, air, power disc brakes, power steering, radial tires, very good cndn. Mandell, 877-2925.
66 Pontiac Bonneville, hardtop, factory air, pwr steering, custom, radio, good tires, 1 owner, xln cndn, 56,000 miles. Elaine, 877-4083.
69 Ford LTD; 63 Ford Falcon, Pearson, 877-2701.
71 Penney's sleeper camper with canopy, built by Coleman, sleeps 4, \$600. Ferguson, 488-2329.
68 VW camper pop top, custom tent, re-

built engine, radio, carpeted, xln cndn. Walker, 333-3719.
71 Yamaha Enduro 175cc, showroom cndn, \$500. McDonald, 877-1411 or 877-3046.
70 Honda 175cc Scrambler with 2 helmets, 800 miles. Must sacrifice \$450. Peper, 645-6147.
68 VW, 4 spd., 42,000 mi., good cndn, \$900. Bays, 481-4196.
67 Oldsmobile, Delta 88, 425 engine, \$995. Hartung, 877-1284.
67 International Travelall, V304 engine, automatic trans, A/C, AM/FM radio, power steering & brakes, limited slip differential, \$1675. Hartung, 877-1284.
67 Austin Healy Sprite MK IV (1275cc), radio, heater, Tonneau, Michelin tires, 36,000 miles, xln cndn, \$1000. Hooper, 471-2685.
62 VW Bug, new A78x15 WSW tires, new brakes, wheel, master cylinders; good running cndn, \$575. Fitch, 482-3857.
70 Honda 350, 2 helmets, riser bars, luggage rack, backrest, xln cndn, \$650. Russell, 477-6393.
67 Mercury Montclair, 4-dr., air, pwr steering & disc brakes, AM/FM, good tires, new brakes, xtra clean. Embrey, 946-7283.
67 VW bus, rebuilt engine, new brakes, good tires, \$1250. Bonefas, 485-2643.
71 Ford pickup—8++ style-side, 6 cyl., 7,000 miles, \$2450. Bonefas, 485-2643.
62 Buick special, 8 cyl., auto., 4 dr. sedan, looks good, runs good, \$295. McKinney, 488-3134.
Camper, 64 Dreamer, self-contained chassis, mount on 3/4-ton Chevrolet, 292 six, clean throughout, newly painted A/C cab. Booher, 489-8375.
66 VW bug, sunroof, radio, leatherette, new engine, clutch, brakes, shocks, xln shape,

\$850 before Dec. 22. Giuli, 474-4390.

HOUSEHOLD ARTICLES

Upright deep freeze, 2 yrs. old, RCA, \$100. Capp, 488-5306 after 6 p.m.
Two 25,000 BTU vented wall heaters, \$25 each. Like new. Clowdis, 471-2447.
Two TV's—19" Motorola B/W portable, stand, good cndn. \$25; RCA B/W console, xln cndn, \$40. Clowdis, 471-2447.
Solid oak student's desk, maple chair, xln cndn, \$35. Dunaway, 774-2367.
Dinette set, 40" x 60" w/4 chairs, \$15; 2 Cosco bar stools (like new), \$6 each; baby stroller w/canopy & basket, \$10. McCreary, 946-5285.

BOATS

14' F.glass, bass rig, 33 hp electric start Evinrude, tanks, depth finder, controls, galvanized trailer, \$1750. West, 932-4311.
DC-14 catamaran sailboat, fibreglass, sloop rig, MSA 140, complete w/Sears tilt trailer, \$750 sell or trade. Minar, 877-3028.
Gulf Coast 22 sailboat, sleeps 4, completely equipped for cruising, racing, immaculate. See to appreciate. Lang, 488-4218.
Southcoast sailboat, 21-foot, with working sails and 5 hp OBM. Hill, 932-5269.
Gulf Coast 20 sailboat, fully fitted for racing, trailer, \$2500. Hartung, 877-1284.

SOUND EQUIPMENT

Heathkit 240-watt combo amplifier w/2 speaker boxes containing 6 horns and woofers, including covers, \$345. Falbo, 645-7093.
54 ft. Rohn tower, rotator, tri-band Hor-met Beam, Johnson phone patch, \$250. Lindsey, 488-0517.
Kustom Base amplifier, 200 watt, two 15-inch JBL speakers in Kustom cabinet. Burt, 333-2117.

MUSICAL INSTRUMENTS

Beuscher alto saxophone, xln cndn, \$200. Hudson, 534-2180.
Clarinet B-flat, Selmar soloist, professional caliber instrument, used 2 years by high school band student, xln cndn. Rubenstein, 877-3288.
New classic guitar, \$30. Bonefas, 485-2643.

CAMERA

Bell & Howell 8mm movie camera, f1.8 power zoom lens, automatic/manual exposure control, special effects speeds, Seikon 8mm movie projector w/variable speeds and reverse. Keystone 35mm slide projector. McCreary, 946-5285.

REAL ESTATE & RENTALS

El Lago, 3-2-2, contemporary, lots of trees, carpets, drapes, fireplace, real clean, 4-years old, 6 1/2% loan. Stull, 877-1114.
Tiki Island waterfront lot with boat slip. Will sell for 75% of equity. Morris, 482-7775.
Clear Lake City 3-2-2 Spanish, 2100 sq. ft., fireplace, playroom, sunken living room, fenced, very nice. Macfarlane, 488-2493.
El Lago house for rent. Available 15 January 1972. 3 bedrooms, 2 full baths, fireplace, large yard, 435 Pebblebrook Drive. Holter, 877-2765.
Shoreacres, 3BR, bath, LR, kit/DR w/ built-ins, central heat, A/C window units, garage, 100 x 130 wooded lot. Priced to sell. Schnell, 471-2378.
Fully wooded lot, residential area, Dickinson. All utilities, 80' x 200'. Must see to appreciate. Plauche, 474-2660.
21 acres near Lake Conroe, frontage on paved road plus direct entry from IH 45. Heavily wooded. Arndt, 482-3989.

WANTED

Metal exercise weights and/or dumbbell sets, pay 15¢ lb., no plastic, please. Kiehn, 483-5121.
Surfboard, reasonable, call Jay, 946-0704.
Used car, good cndn, preferably small 6-cyl (no Corvairs, please) up to \$150. Bullock, 488-1042.
Lease wanted, 3/4 BR house, w/in 20 minutes of MSC. Ross, 946-6738.
Two passengers to Colorado Springs, Colo., leave 12/30, return 1/2, share expenses. Beechcraft Bonanza. Hanisch, 932-6484.

PETS

Wanted: a good home for 2 kittens, six weeks old, both male, one black, one yellow. Sayers, 333-2395.
AKC miniature apricot poodle, male, 15 mo., in show coat, proven stud, all shots, loving disposition. Sacrifice, \$125. Godeke, 644-7870.
AKC miniature light apricot poodle, male, 4 mo., gorgeous coat, show quality from show stock. Sacrifice, \$125. Godeke, 644-7870.
AKC collie puppies, sables and unusual blue merles, xln children pets, females, \$85; males, \$100. Arndt, 482-3989.
AKC Lhasa apso puppies, show quality, lovely balls of fur. Moseley, 481-2394.
AKC miniature schnauzer, male, 7 months, shots, ears cropped, \$100. McAvoy, 488-4083 after 5 p.m. weekdays.

LOST & FOUND

FOUND: Silver charm bracelet found in the MSC Auditorium after the EAA Children's Party on December 4. Wilmeth, x4329.



MY BAG IS... WISHING ALL YOU
"MSC'ers" a
Very Merry Christmas!!

courtesy of Barbara A. Matelski, Management Services

Safety Office reminds us of hazards during the December Holiday Season

Toys and trees are an important part of the Christmas celebration. Both can be sources of danger.

The MSC Safety Office has recently issued suggestions for ways to make sure the 1971 holiday season is a joyous one, free of tragedy.

The Federal Government is trying to set criteria for toy safety, but the final responsibility for selecting a safe and appropriate gift falls to you, the buyer.

Here are some things to consider:

- Toys for toddlers should not be small enough to be put in the mouth.
- Infants' toys should be washable and unbreakable.
- Playthings should be free of sharp edges.
- Toys should be purchased with the child's age in mind: They should not be too cumbersome for a child to handle, and they should not be more complicated than his age level can understand. (Many manufacturers now indicate on

labels what age level the toy is meant for.)

Buying the Christmas tree is a fun occasion for most families. To make sure a cut tree is fresh, there are certain tests you can use.

- Bounce the trunk hard on the ground. If many needles fall, the tree isn't fresh.

- Pull the needles at the end of a branch. They should have good resistance.

- Rub your hand across the stump which should be sticky with resin.

At home, be sure to keep the tree trunk in water. Place the tree away from heat sources. Don't use candles or open flames near the tree, and check all lighting sets frayed wires, broken sockets, or loose connections.

For elaborate or extensive holiday wiring, call an electrician. Remember to turn off tree lights before you leave your home or retire for the night.

Have a safe and happy holiday season.

Club plans tours

A Grand Tour, which includes ten European countries, and an Iberian Tour, including England, Spain, Portugal, Morocco, Tangier, and France, are being offered by the Headquarters Employees Club.

Write to Bernard Maggin, Code RG, NASA Headquarters, Washington, D. C. 20546 for more information.

BOWLING STANDINGS

Jimmy Warren

Memorial Bowling League

Chokers	33	19
Alley Oops	32	20
Bit Pickers	29	23
Pin Pounders	29	23
Hexes	29	23
Ball Busters	28 1/2	23 1/2
Team 14	27 1/2	24 1/2
Spoilers	27	25
Hertz	25	27
Mixers	24	28
Achievers	24	28
Splitters	22	30
Fabricators	21	31
Leftovers	13	39

As of December 9, Clarence Council (Achievers) had the high individual set (720) to date and Dick Burghduff (Hertz), the high individual game (288). On the 9th, Pete Peterson (Alley Oops) took both honors.

SOLE presents an award to Parker

The Society of Logistics Engineers recently honored William A. Parker, formerly chief of the Logistics Division, for his work as chairman of the Houston chapter of SOLE. He received a certificate of appreciation from Del Howard, incoming chapter chairman.

Parker left MSC earlier this month to become Deputy Director of Procurement and Production at the Army Missile Command in Huntsville, Alabama.

ROUNDUP

NASA MANNED SPACECRAFT CENTER HOUSTON, TEXAS

The Roundup is an official publication of the National Aeronautics and Space Administration Manned Spacecraft Center, Houston, Texas, and is published every other Friday by the Public Affairs Office for MSC employees.

Editor _____ Sydni Shollenberger

Staff Photographer _____ A. "Pat" Patnesky



DIRECTOR of Medical Research and Operations Charles A. Berry was recently sworn in by NASA Administrator James C. Fletcher as the Agency's Director of Life Sciences. Following the ceremony, Dr. Fletcher (right) posed for a picture with Dr. and Mrs. Berry.

PHOTO ROUNDUP

1971 MSC - EAA Christmas Dance



THE MSC Christmas Dance on December 11 was a success, with over 800 employees attending. In picture 1, Marie Wilmeth (left) and Stu Lenett, both outgoing EAA officers, are with Joanne Sanchez, Vice-president for Social Activities. Picture 2 features one of four tables of partygoers from the Engineering Division. EAA President Bob LaMere presented plaques to the four outgoing officers (Helon Crawford and Lucille Booth were the other two) and awards to Susie Cardenas and Barbara Matelski for their outstanding support to EAA activities during the past year. Susie was MSC Picnic Chairman, and Barbara has designed and drawn numerous posters for EAA projects. Neither is officially connected with the EAA. (Photos by Dave Howes)



CHILDREN'S Christmas Party on December 4 was attended by over 400 youngsters. In photo 1, Cosmo the Clown is shown with three young volunteers as he performs tricks for an audience of wide-eyed kiddies. Bud Foster (photo 2) of the Apollo Test Division, disguised as S. Claus, takes orders for Christmas gifts while parents listen attentively nearby. Mrs. Claus was on hand, too (photo 3). She's really Helen Montgomery of the Personnel Division.

THROUGH money earned at the dunk tank activity during the MSC picnic, youngsters at the Harris County Boys School will have a merrier Christmas. The EAA and the United Buying Service have purchased an 18-inch color TV for the school. Earlier this month, EAA officers and two of the ladies who volunteered for possible dunkings at the picnic visited the school to find out what the boys wanted for Christmas. A color TV was the answer. Posing with a group of the youngsters are Mary Yarbrough (left) and Joanne Sanchez.

EAA
CANDIDATES for the office of EAA representative in District 8 (Bldg. 2, 7th floor)—Paul Jaschke, Carol Goree, Joseph Louis, and Milton "Mike" Steinthal—waged a hot and heavy campaign, as four of the many posters displayed on the 7th floor bear witness. Mike was elected as District 8 representative, and Paul Jaschke will be the alternate.



CHILDREN'S Christmas Party on December 4 was attended by over 400 youngsters. In photo 1, Cosmo the Clown is shown with three young volunteers as he performs tricks for an audience of wide-eyed kiddies. Bud Foster (photo 2) of the Apollo Test Division, disguised as S. Claus, takes orders for Christmas gifts while parents listen attentively nearby. Mrs. Claus was on hand, too (photo 3). She's really Helen Montgomery of the Personnel Division.



SHIRLEY PRICE, a clerk-typist in the Physics Branch, Planetary and Earth Sciences Division, was featured in an article on the handicapped in the October 22nd Roundup. In mid-November, she received a citation honoring her courage and resourcefulness in leading a full life despite her handicap, from the Governor's Committee for Employment of the Handicapped. Shown making the presentation to Shirley is Clarence Melton, who represented Texas Governor Preston Smith.

EAA Election

(Continued from page 1)

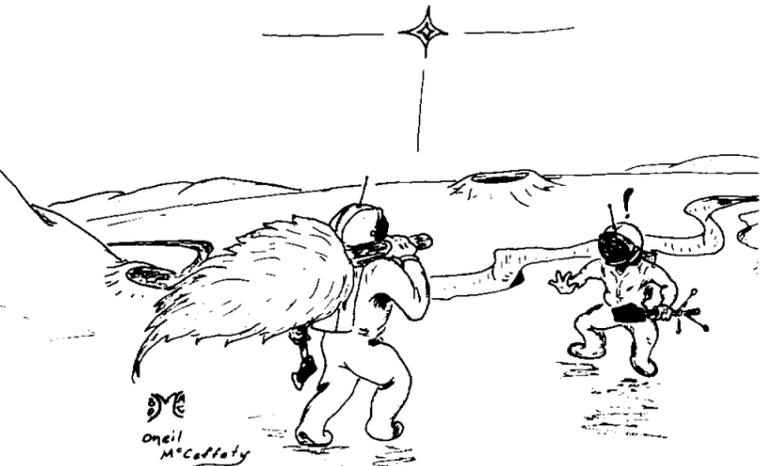
Ben Fulbright, Edwin Hoskins; Sandra Franks, Ernie Camp; Richard Juday, Francine Lauzon; Demaris Cosby, Malcolm Smith; Carlos Ramirez and, tied for alternate, Judy Bohac and Shirley Newsum; E. Dee Sisson, Leo Silveri; Fred Rowell, Bert Matthews; Bud Roos, Josephine Jue; Ivan Spiker, Evelyn Wright; and William Jones, Ronald Mercer.

District 20 representative and alternate are G. H. Nason and Raymond Darrah; District 21, Jack Boykin, Marion Pringle; District 22, Harry St. John, Carl Scarlett; District 23, Margaret McClure, Fern Deans; District 24, Linda Trippodo, Fred Patterson; District 25, Edward Fendell, Linda Williams; District 26, Ted Turner, Jr., Larry Davis; District 27, William Chapman, Roy Laird; District 28, Robert Richmond, Marvin Bernhard; and District 29, Dianne Robinson, Sharon Baker.

Districts 30 through 39 will have as representatives and alternates Helon Crawford, Joan Jackson; Linda Perkins, Geraldine Taylor; William B. Hill, David Beaton; R. E. Keyes, Becky Beerman; Mary D. Langston, Jerry Jones; Phillip Stallings, John McGee; Loreta Bradley, Margaret Rust; C. L. Royston, C. Kenneth Land; Clayton Forbes, Barbara Klotz, and District 39 at Ellington, J. D. Collins, Arthur Lizza.



COLONEL THOMAS STAFFORD addresses the Annual Workshop of NASA Training Directors hosted by MSC on November 1 and December 1 and 2. Discussions centered on new federal programs which might have implications to NASA training offices, and new approaches taken by the Centers in meeting employee development needs. Pictured are (counterclockwise) Col. Stafford; Jim Dowdy, MSFC; Jean Raymond, Headquarters; John Bogard, JPL; Bob Usher, Lewis; Jack Moroney, Headquarters; Stan Goldstein, MSC; Phil Ryan, Wallops; Pat Clark, Langley; Ray Metcalfe, Headquarters; Chuck McCarty, Goddard; Joe Sippel, Headquarters; and Ernie Spivey, KSC.



"You should've told me. I would've brought ornaments in my personal preference kit!"

courtesy of Oneil McCaffety, MPAD